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ANNUAL MESSAGE

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— OF —

ANDREW McLEAN

MAYOR OF THE CITY OF PASSAIC.

1896.

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PASSAIC, N. J. :

PASSAIC DAILY NEWS PRINT.

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ANDREW McLEAN, MAYOR.

ANNUAL MESSAGE

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— OF — JUL 5 1916

ANDREW McLEAN

MAYOR OF THE CITY OF PASSAIC.

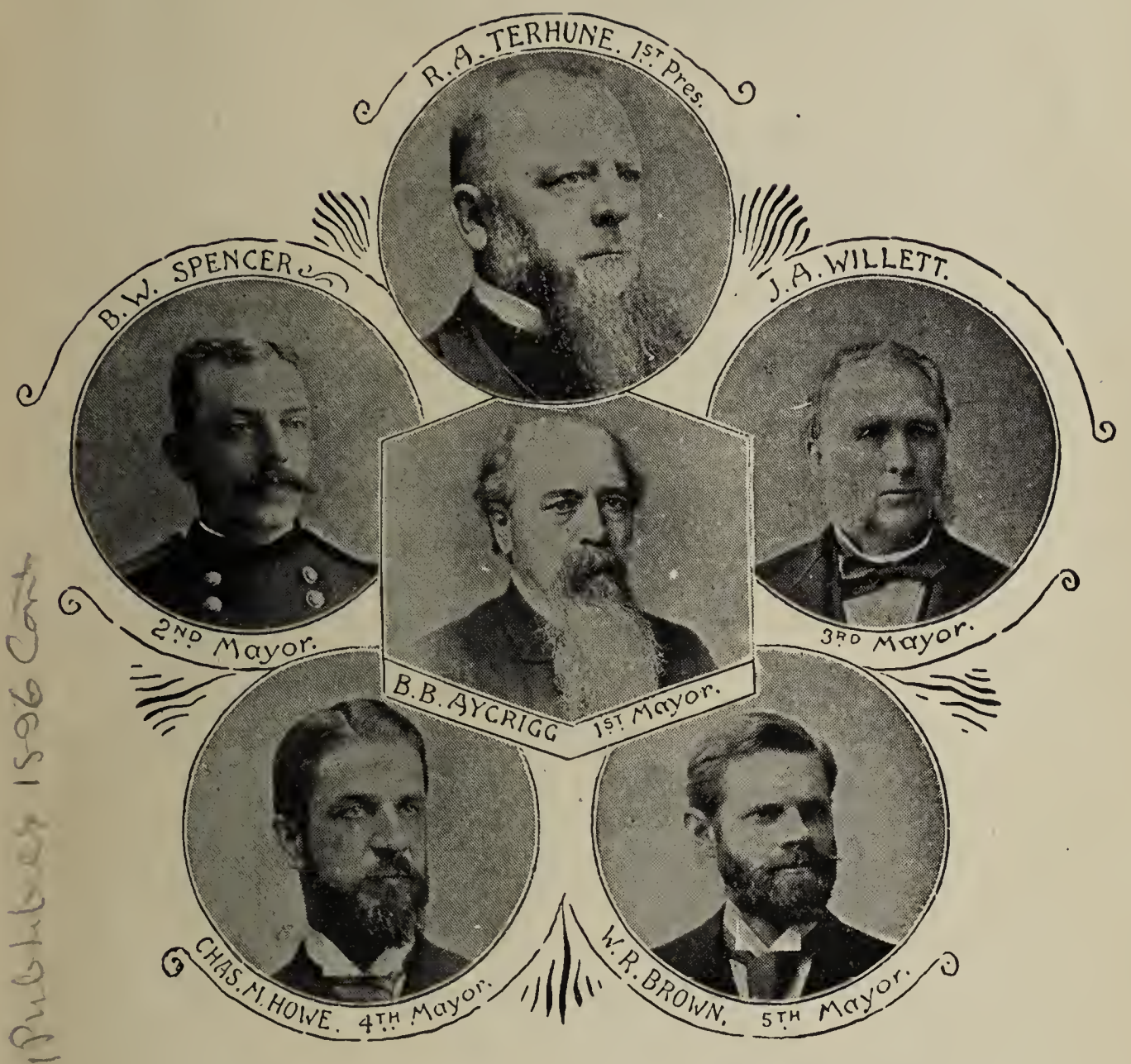
1896.

PASSAIC, N. J. :

PASSAIC DAILY NEWS PRINT,



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CITY OFFICERS.

MAYOR,
ANDREW McLEAN.

PRESIDENT OF CITY COUNCIL,
NELSON STODDARD.

COLLECTOR OF TAXES,
ALBERT T. ZABRISKIE.

CITY CLERK,
RICHARD B. TINDALL.

CHOSEN FREEHOLDERS.

1st Ward, JOHN J. WELSH,
2d “ EDWARD N. KEVITT,
3d “ JACOB J. VAN NOORDT,
4th “ JOHN L. FITZGERALD.

SUPERINTENDENT OF STREETS,
THOMAS GIBLIN.

CITY SURVEYOR,
COLIN R. WISE.

CITY COUNSEL,
WALTER KIP.

CITY TREASURER,
CHAS M. WILCOX.

CITY PHYSICIAN,
DR. PERCY H. TERHUNE.

POLICE JUSTICE,
JOHN H. BOWKER.

OVERSEER OF THE POOR,
DANIEL FOGARTY.

REGISTRAR OF VITAL STATISTICS,
CORNELIUS VANDER PLOOG.

SUPERINTENDENT OF FIRE ALARM,
CHARLES R. NEWMAN.

CAPTAIN OF POLICE,
WM. HENDRY.

SUPERINTENDENT OF SEWERS,
COLIN R. WISE.

INSPECTOR OF SEWERS,
AARON KIEVIT.

JANITOR,
ELI KNOWLDEN.

BOARD OF ASSESSORS.

GILES S. ORCUTT, *At Large*.

THOMAS McMAHON, 1st Ward.

JAMES T. BOYLE, 3d Ward.

WM. H. SPEER, 2d Ward.

FRANCIS C COGAN, 4th Ward.

THOMAS McMAHON, *Clerk*.

BOARD OF HEALTH.

DR. P. H. TERHUNE, *President*.

ALBERT H. SMITH, *Secretary*.

PATRICK DELANEY, 1st Ward.

ROBERT M. OFFORD, 2d Ward.

ALBERT H. SMITH, 3d Ward.

CARL PFEIL, 4th Ward.

DR. P. H. TERHUNE, *At Large*

C. E. DENHOLM, *At Large*.

DR. G. J. VAN SCHOTT, *Health Inspector*.

WM. DAVIDSON, *Inspector of Plumbing*.

CHARLES E. DENHOLM, *Treasurer*.

BOARD OF EDUCATION.

WILLIAM T. MAGEE, *President*.

ANDREW FOULDS, *Secretary*.

FIRST WARD.

THOS. V. CONNELL, 3 yrs.

JNO. J. SULLIVAN, M. D. 2 yrs.

GEORGE L. RUNDLE, M. D. 1 yr.

SECOND WARD.

DEWITT C. COWDREY, 3 yrs.

WILLIAM W. SCOTT, 2 yrs.

ANDREW FOULDS, 1 yr.

THIRD WARD.

WM T. MAGEE, 3 yrs.

ARTHUR F. RICE, 2 yrs.

LOUIS B. CARR, 1 yr.

FOURTH WARD.

GEORGE T. WELCH, M. D. 3 yrs.

CHARLES A. CRANE, 2 yrs.

SYLVESTER J. POST, 1 yr.

H. H. HUTTON, PH. D., *City Superintendent*.

CITY BOARD OF EXAMINERS.

ALBERT O. MILLER, JR.

REV. W. I. SWEET,

H. H. HUTTON, PH. D.

CITY COUNCIL.

NELSON STODDARD, *President.*

FIRST WARD.

JOHN J. WELSH,
ROBERT J. WALL,
JOHN J. HOGAN,

SECOND WARD.

NELSON STODDARD,
JAMES H. ROSCOE,
WATSON A. BOGART,

THIRD WARD.

CORNELIUS KEVITT,
JOHN A. PARKER,
ED. W. GARDNER,

FOURTH WARD.

CHRISTIAN HUBER,
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AARON KIEVIT.

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IRVING ANGELL,

R. D. BENSON,
W. C. KIMBALL,

DR. GEORGE L. RUNDLE.



STANDING COMMITTEES.

1895-6

1.—FINANCE—Christian Huber, James H. Roscoe, Edward W. Gardner.

2.—AUDIT—Edward W. Gardner, Watson A. Bogart, John J. Hogan.

3.—ORDINANCES—John A. Parker, Christian Huber, James H. Roscoe.

4.—STREETS AND ASSESSMENTS—Watson A. Bogart, John A. Parker, John J. Welsh.

5.—SEWERS—Cornelius Kevitt, Robert J. Wall, John Hamilton.

6.—POOR—James H. Roscoe, Edward W. Gardner, John J. Welsh.

7.—POLICE—John A. Parker, Aaron Kievit, Robert J. Wall.

8.—PRINTING—James H. Roscoe, John J. Hogan, Watson A. Bogart.

9.—SALARIES AND OFFICERS—Watson A. Bogart, Robert J. Wall, Aaron Kievit.

10.—RAILROAD—Aaron Kievit, Christian Huber, John A. Parker.

11.—CITY MAPS—John Hamilton, John J. Hogan, Cornelius Kevitt.

12.—FIRE DEPARTMENT AND WATER SUPPLY—Christian Huber, John Hamilton, Cornelius Kevitt.

13.—STREET LAMPS—John Hamilton, James H. Roscoe, Aaron Kievit.

14.—JUDICIARY—John J. Welsh, Nelson Stoddard, Christian Huber.

15.—PUBLIC LIBRARY—Robert J. Wall, Cornelius Kevitt, John A. Parker.

16.—PUBLIC BUILDINGS AND PARKS—Nelson Stoddard, Aaron Kievit, Edward W. Gardner.

17.—LICENSES—John J. Hogan, Cornelius Kevitt, John Hamilton.

18.—PUBLIC EDUCATION—Edward W. Gardner, John J. Welsh, Watson A. Bogart.

MAYOR'S MESSAGE.

PASSAIC, N. J., JAN. 21, 1896.

To The Honorable, The City Council of the City of Passaic.

GENTLEMEN:—

The time honored custom and the requirements of the City Charter, make it mandatory at this time for me to communicate to you by message, advising you of the general condition of the city, throughout its various departments, and to recommend such matters as may require your attention in the future.

The continued material and industrial growth of the city, during the depression of the last three years, must certainly be a source of great gratification to all, and merit your consideration at all times in view of the improvements which must be regarded as expedient and necessary.

That our growth is beyond the average of the cities of New Jersey, is apparent to all observers, and with it come the demands of the public for those improvements, which a few years ago were regarded as a luxury, but have now become the necessity of the day, and are demanded as a right. That other cities are alive and in touch with this modern progress, indicates that you must be ever vigilant and progressive to maintain the high standard which we now enjoy.

The city is governed as faithfully, honestly, and economically as any municipality in the State, as is evident by an impartial comparison.

This is not a condition for which I can claim any credit, but is as I found it prevailing on taking the office of Mayor, and I sincerely hope that the criticism of our city officials will always be from the standpoint of patriotic citizenship, and not, as often happens, with malicious intent.

Over this diversified civic machinery, with its endless complications, we have been placed as business managers, and as such it should be our aim and ambition, to so direct public affairs, that the best results may be obtained. It is not always an easy matter to determine what is for the best and what is most desirable.

The macadamizing of our streets, I believe, gives the best returns for the money invested; they are more built up, which means an increased assessable property, along the line of such improvements, besides beautifying and being a benefit to the city.

Gregory, Paulison and Lafayette avenues, and High and Monroe streets, should be macadamized, for which I respectfully urge your consideration at an early date, that the work may be done this summer.

FINANCE.

During the past year the financial condition of the city has been excellent, and its credit higher than it has ever before enjoyed. The notes issued in anticipation of taxes, were discounted as low as four per cent. per annum.

On May 17th the bid of 107.339 was received and accepted for twenty-four thousand dollars of city bonds paying five per cent. interest; and on Aug. 21st the forty-six thousand dollars of school bonds paying 4 1-2 per cent. were sold for 104.82. This is an excellent showing as compared to what has been realized in the past; and the number of bids which were received for the bonds each time, indicates that outsiders appreciate their worth.

The statement herewith of the financial condition of the city shows assets in excess of liabilities of \$79,621.93. This is very gratifying in view of considerable of the property being taken at what it cost, which if sold would realize considerably more.

STATEMENT OF ASSETS AND LIABILITIES.

ASSETS.

Uncollected taxes, 1895.....	\$41,901.75	
Uncollected taxes, prior.....	45,996.44	
Uncollected Street Assessments.....	38,504.94	
Anticipated Assessment on property for which certificates of improvement have been issued.....	25,699.42	
State School Fund, 1895.....	20,743 93	
		\$172,846.48
School building and grounds, valuation 1882.....	53,500.00	
Third Ward School, cost with improvement to date.....	7,700.00	
Fourth Ward School, cost including Furniture.....	11,700.00	
New High School.....	40,000.00	
New 2nd Ward School.....	21,000.00	
New 4th Ward School, cost to date.....	23,977.00	
		\$157,877.00
New City Hall Park, cost of improvement to date, including amount subscribed by citizens, to be expended in preserving and improving Paulison Castle.....		77,000.00
Passaic Bridge Park cost.....		14,000.00
Old City Hall valuation 1888.....	10,000.00	
Police Station.....	2,000.00	
		\$12,000.00
Cash in Sinking Fund.....		72,035.17
Fire apparatus.....	22,000.00	
Fire Dep't Buildings.....	9,000.00	
Gamewell Fire Alarm.....	6,000.00	
Bell tower and bell.....	986.00	
Linden Hose-house site.....	1,000.00	
City poor house and farm.....	10,700.00	
Furniture, Safes, etc.....	2,600.00	
		\$52,286.00
Cash on deposit in banks.....		77,537.72
Cash in Collector's hands.....		191.56
Total Assets.....		\$635,773.93

149,764.41

LIABILITIES.

5 per cent. City bonds, 1895-1914.....	\$19,000.00	✓
5 per cent. City bonds, June 1, 1896-1919.....	24,000.00	✓
5 per cent. City bonds, Jan. 2, 1902.....	23,500.00	✓
7 per cent. City bonds, Nov. 1896.....	25,000.00	✓
5 per cent. City bonds, 1905-1915.....	33,000.00	✓
4½ per cent. City bonds, 1906.....	7,500.00	✓
		\$132,000.00
5 per cent. st. Improvement bonds 1896-1897.....	3,000 00	✓
5 per cent. School house bonds 896-1906.....	17,000.00	✓
5 per cent. School house bonds 1896-1898.....	3,000.00	✓
5 per cent. School house bonds, 1912.....	9,000 00	✓
5 per cent. School house bonds, 1895-1915.....	20,000.00	✓
5 per cent. School house bonds, 18 9-1914.....	46,000.00	✓
5 per cent. bonds, 1918.....	11,500.00	✓
5 per cent. public Improvement bonds, 1898-1912.....	75,000.00	✓
		\$184,500.00

Bonds issued on account of Aycrigg ave. opening	320.04	—
Bonds on account of Central ave. opening.....	5,631.69	—
Bonds on account of Franklin ave. opening.....	837.13	—
Improvement certificates outstanding.....	24,776.23)
Amounts of appropriations unexpended.....	84,586.91)
Bills payable.....	10,000.00)
Sewer Bonds.....	92,500.00	— ✓
Tax arrearage bonds.....	21,000.00	—
		—————\$239,652.00
Total Liabilities		\$556,152 00
Excess in assets.....	\$79,621.93	

119,363.14

POLICE.

The report of Capt. Hendry covers in detail all the information pertaining to the Police Department, during the past year, and embodies suggestions which are worthy of your consideration; especially the matter of having a Sergeant of Police, and I respectfully recommend that the office be created, giving the Mayor power to make the appointment, same to be subject to your approval.

The statistics show a very orderly condition of the city; and this is all the more noteworthy in view of the large and varied population, which, as in the Dundee district, is very much centralized; but as a rule, the people are thrifty, and have a desire to save money and buy property. This in itself is an excellent feature, and shows that they are progressive and make better citizens, and as such their influence must be for the good and welfare of the city.

I have given considerable thought as to how the efficiency of the police might be increased, but the large territory of our city, even with double the present force of policemen, would not have the desired protection.

I believe, however, by adopting the police signal system, a very high efficiency would be attained, by means of the automatic system of registering, as a policeman would be obliged to indicate his presence at regular intervals, at the several points of his route. He could at all times be in communication with the station house, and be under the direction of the same, which would insure a proper attention to duty; and in case of any large disorder in one place, the police could soon be concentrated. It would also act as a protection to a policeman by enabling him to call for assistance when in need.

In case of burglary or other crime, all those on duty could be notified in a very short time, so as to be on the lookout.

Respectable citizens could be allowed to have keys to stations, as their co-operation at times would be of benefit.

By the adoption of this system the efficiency would be increased from fifty to one hundred per cent.

In case of sickness of policemen, the city physician should at once be notified to make an examination, and report to the captain as to the inability of such policemen to perform duty. This, however, would not necessitate the service of the city physician during the illness of any policeman.

FREE PUBLIC LIBRARY.

The report of the Library Trustees shows progress during the past year. The starting of the Dundee branch has met with excellent success, and the indications are that it will continue to grow and require more means for its support in the future, and I trust that you will see your way clear to give the Library Trustees all the funds they will require.

TAXES.

While the tax rate has been a little higher this last year, the conditions were such that it could not be avoided. In addition to the natural increase of the city expenses of \$16,671, and the county tax of \$3,973.94 more, we are obliged to pay off \$10,500 of maturing bonds. The appeals before the commissioners this year were much less than anticipated.

HEALTH.

The general health of the city has been very good during the year, and we have been perfectly free from contagious epidemics within our limits, though the long drouth of the summer months was cause for some alarm. For your consideration I respectfully refer to you the report of the City Physician. It is my opinion that he should not be obliged to furnish his own medicine, but the expense of same should be paid by the city.

POOR DEPARTMENT.

While this department of the city government is commendable, it is open at all times to impositions and abuse, and must require care and judgment on the part of those under whose supervision the charge of those in need must come. It is unfortunate to have a class of people in our community become accustomed to the idea that the city treasury can be de-

pended upon to meet their necessities. The poor farm has been put in better condition and at no great expense to the city.

FIRE DEPARTMENT.

Sentiment has had considerable to do with the slow advancement and improvement of the Fire Department as compared with the expansion of other departments of the city government. While our volunteer department has served us long and faithfully, and is worthy of our highest esteem for what it has done, yet it lacks the discipline which is essential and necessary in a city of our size. As a matter of business and prudence, something must soon be done, or we may pay dearly for the neglect.

I believe that our engines and hose carriages should be equipped with horses and paid drivers and engineers, so that no matter what happens or how snowy or stormy it may be, they may be able to respond to a fire quickly.

The fire alarm has never been in such good condition as it is at present. Superintendent Newman has devoted much time to its proper improvement.

ANDREW McLEAN,
Mayor.



UNPAID TAXES, JANUARY 1, 1896.

	REAL ESTATE.	PERSONAL.	POLL.	DOG.	TOTAL.
PRIOR TO 1895	\$16,878.80	\$10,398.64	\$17,293.00	\$1,426.00	\$45,996.44
1895	36,715.73	2,761.02	2,263.00	162.00	41,901.75
Total	\$53,594.53	\$13,159.66	\$19,556.00	\$1,588.00	\$87,898.19

UNPAID ASSESSMENT, JANUARY 1, 1895.

ASSESSMENTS	DATE CONFIRMED	AMOUNT
Paulison Avenue.....	November 20, '71.....	\$ 654.89
Oak Street.....	January 18, '75.....	685.58
Chestnut Street.....	March 15, '75.....	26.18
Lafayette Avenue.....	August 13, '79.....	800.85
State Street.....	October 4, '86.....	11.20
Linden Street.....	October 4, '86.....	29.30
Columbia Avenue.....	October 4 '86.....	96.80
First Street.....	February 23, '87.....	17.58
Passaic Street Ext.....	December 19, '87.....	6.11
East Main Avenue.....	December 5, '87.....	504.44
Pennington Avenue.....	November 28, '87.....	49.34
Pennington Avenue.....	October 17, '87.....	167.46
Hamilton Avenue.....	October 3, '87.....	30.04
Jefferson Street.....	September 9, '87.....	31.70
Third Street.....	August 15, '87.....	19.00
Paulison Avenue.....	August 15, '87.....	114.05
Bloomfield Avenue.....	April 4, '87.....	3.78
Second Street.....	April 2, '88.....	504.70
Paulison Avenue.....	May 7, '88.....	606.60
State Street.....	May 21, '88.....	47.58
Jefferson Street.....	July 15, '89.....	15.00
A St. in the 2nd Ward.....	October 7, '89.....	39.09
Brook Avenue.....	May 5, '90.....	89.24
Essex Street.....	September 3, '90.....	127.76
Fourth Street.....	Oct. 6, '90.....	135.64
Lexington Avenue.....	Oct. 20, '90.....	17.69
Hamilton Avenue.....	February 2, '91.....	292.83
Aycrigg Avenue.....	February 16, '91.....	319.52
Central Avenue.....	July 21, '91.....	4,469.14
Park Avenue.....	April 26, '92.....	397.48
Pennington Avenue.....	April 26, '92.....	168.23
South Street.....	April 26, '92.....	173.82
Monroe Street.....	April 26, '92.....	1,956.21
Jefferson Street.....	April 26, '92.....	364.97
Fifth Street.....	April 26, '92.....	206.67
Sherman Street.....	May 3, '92.....	2,234.89
Van Houten Avenue.....	November 5, '92.....	30.51
Burgess Place.....	November 5, '92.....	144.30
Dayton Avenue.....	March 25, '93.....	421.00
Ascension Street.....	April 25, '93.....	558.74
Third Street.....	April 25, '93.....	1,214.18
Van Houten Avenue.....	October 28, '93.....	1,805.01
Central Avenue.....	April 24, '94.....	193.45
Madison Street.....	April 24, '94.....	410.11
Bond Street.....	April 24, '94.....	70.85
Central Avenue.....	April 24, '94.....	1,443.43

Elm Street.....	June 23, '94.....	536.95
Van Houten Avenue.....	September 25, '94.....	36.37
Hope Avenue.....	September 25, '94.....	130.12
Elm Street.....	October 25, '94.....	124.52
Central Avenue.....	October 25, '94.....	133.14
Lafayette Avenue.....	April 23 '95.....	164.82
Irving Place.....	April 23, '95.....	115.09
Van Houten Avenue.....	April 23, '95.....	7.00
Hamilton Avenue.....	February 16, '91.....	1,385.27
		<hr/>
		\$24,340.22
Sewer No. 1.....	January 5, '91.....	79.31
Sewer No. 2.....	January 19, '91.....	490.97
Sewer No. 3.....	April 6, '91.....	100.00
Sewer No. 6.....	June 1, '91.....	249.46
Sewer No. 9.....	April 26, '92.....	1,182.32
Sewer No. 7.....	April 26, '92.....	95.87
Sewer No. 8.....	May 28, '92.....	1,279.71
Sewer No. 5.....	July 30, '92.....	2,072.95
Sewer No. 13.....	November 18, '92.....	2,768.03
Sewer No. 19.....	May 8, '93.....	498.84
Sewer No. 14.....	October 11, '93.....	2,998.41
Sewer No. 16.....	March 25, '95.....	2,076.08
Sewer No. 18.....	April 25, '95.....	125.83
Sewer No. 22.....	April 25, '95.....	41.94
Sewer No. 21.....	April 25 '95.....	105.00
		<hr/>
		14,164.72
		<hr/>
Total		\$38,504.94



REPORT OF CAPTAIN OF POLICE.

POLICE HEADQUARTERS, }
PASSAIC, N. J., JAN. 1, 1896. }

Hon. Andrew McLean, Mayor.

SIR:—Herewith I submit to your Honor my annual report of the Police Department for the year ending December 31st, 1895. It gives me pleasure to report that the year has not been marked by anything of a serious nature. As the subjoined statistics will show, the offences demanding the attention of the police have been mostly trivial and the number of such offences is small compared with the criminal statistics of neighboring cities. I have before me several of the annual reports of the heads of police departments in our state and know whereof I speak when I say that Passaic is a remarkably peaceful city—remarkable more especially in view of the large unassimilated foreign element of our population. I confess that our recent experience with burglars and sneak thieves is not so comforting, although the department has done all in its power and it can face the situation with a clear conscience. It is cause for keen disappointment to myself and the officers that we have been unable to wholly protect the city from this class of criminals, but, housebreaking is as common in all the neighboring cities and towns and much more so in many of them. We do not take that as an excuse, however, but will continue our efforts to hunt the rascals down.

As I have pointed out to you in the consultations with which you have honored me, this is a peculiarly hard place to guard against thieves. The number of officers (ten) is small and the territory is large—about three and one-quarter square miles. Passaic is surrounded by such large cities as New York, Jersey City, Newark, Hoboken and Paterson. Thieves can come from any of them, accomplish their purposes and return again before daylight or at least before the police receive notice of the thefts. They can also get in and out of the city at points along the D. L. & W. Railroad without crossing the streets or passing near a street light. Once inside of the city, they can traverse the whole hill section through the rear yards, out of reach and out of sight of officers on duty in the streets.

The fact that Passaic provides no funds to pay the expenses of sending out of town in search of fugitive criminals adds to the difficulty. It costs money to travel and properly care for the officer assigned to aid us in locating criminals in other cities and most cities provide a fund for that purpose. But, despite the difficulties I have outlined, I believe a slight addition to the force would enable us to do more effective work. We ought to keep at least four men on duty on the hill, nights, north of Lafayette avenue, now covered by two men, and this cannot be done with the present force, without seriously exposing the business part of the city.

We ought also to have another officer on day-duty. There is but one besides myself and as I have more or less business out of town, the city is left with only a single officer, for hours, and, occasionally, whole days at a time.

I think we ought to have at least four more policemen, and in this connection let me repeat my recommendation of previous years, that the position of Sergeant or Roundsman be created so that some one can be left in authority, nights, to oversee the movements of the patrolmen and supervise things generally in my absence. This change would entail but little expense and would, I believe, add greatly to the efficiency of the police department.

Finally, I wish to remind your Honor, that the department has had no difficulty whatever in dealing with local thieves. Every crime of this character during the year, has been promptly followed by the apprehension of the criminals. It is non-resident thieves with whom we have had so much trouble lately and the only way we can hope to keep them away, is by providing a more efficient watch on the approaches to the city. This, as I have said already, cannot be done without more men.

Respectfully,

WILLIAM HENDRY

Captain of Police.

STATISTICS.

Total number of arrests,	-	-	-	-	-	-	458
“ “ “ “ for the year 1894,	-	-	-	-	-	-	304
Increase	-	-	-	-	-	-	154
Disposed of as follows:							
Held for action of the Grand Jury,	-	-	-	-	-	-	120
Committed to the County Jail for terms from 10							
to 30 days,	-	-	-	-	-	-	47
Fined for violation of City Ordinances,	-	-	-	-	-	-	125
Sentences suspended,	-	-	-	-	-	-	90
Discharged	-	-	-	-	-	-	76
Total	-	-	-	-	-	-	458
Amount of fines and costs collected in the Police							
Court,	-	-	-	-	-	-	\$667.35
Amount collected from the County for the serv-							
ing of warrants, commitments, &c., for							
the six months ending June 30th, 1895,	-						113.90
Due and uncollected from the County for the							
six months ending December 31st, 1895,	-						177.80
Total for 1895,	-	-	-	-	-	-	\$959.05
“ “ 1894,	-	-	-	-	-	-	570.55
Increase	-	-	-	-	-	-	\$388.50

ARRESTS MADE FOR THE FOLLOWING OFFENCES.

Assault and battery	-	-	-	-	-	-	90
Adultery	-	-	-	-	-	-	4
Bigamy	-	-	-	-	-	-	2
Breaking and entering	-	-	-	-	-	-	5
Burglary	-	-	-	-	-	-	4
Bastardy	-	-	-	-	-	-	5
Cruelty to animals	-	-	-	-	-	-	3
Drunk and disorderly	-	-	-	-	-	-	82
Drunk	-	-	-	-	-	-	27
Disorderly conduct	-	-	-	-	-	-	107
Disorderly persons	-	-	-	-	-	-	9
Disorderly houses	-	-	-	-	-	-	1
Embezzlement	-	-	-	-	-	-	3
Highway robbery	-	-	-	-	-	-	3
Insanity	-	-	-	-	-	-	

Indecent assault	-	-	-	-	-	-	-	3
Larceny	-	-	-	-	-	-	-	38
Living in open lewdness		-	-	-	-	-	-	2
Violation of health code	-	-	-	-	-	-	-	3
“ “ City Ordinances		-	-	-	-	-	-	48
Receiving stolen goods	-	-	-	-	-	-	-	6
Selling liquor without license		-	-	-	-	-	-	1
Seduction	-	-	-	-	-	-	-	2
Non-support of family	-	-	-	-	-	-	-	5
Arrested for County authorities		-	-	-	-	-	-	2
“ “ State “		-	-	-	-	-	-	1
Total								458



REPORT OF CITY PHYSICIAN.

Hon. Andrew McLean,

DEAR SIR:—I herewith submit to you the annual report of the City Physician for the year ending December 31st, 1895.

During this period I have visited or attended in my office (504) five hundred and four of the City's poor, visited the Poor House at frequent intervals, and attended several police calls.

It is my belief that the management of the poor could be carried on better if the department had a head or perhaps better if each division had a head. Under existing conditions if the keeper of the Poor House deems it proper to give an order with regard to the governing of inmates and on the first visit thereafter of the Overseer of the Poor he considers said order objectionable it must be countermanded. If after this the Poor Committee visit the Poor House they may think both the Keeper and Overseer wrong and promulgate some new order. You can therefore readily observe that any discipline at the institution is impossible, as the keeper's orders may only be laws for a day; and then again an inmate has become unmanageable and discharged after several reproofs only to be returned by the Police Justice. At present there does not seem to be any City Ordinance stating the *duties* or *powers* of the keeper of the Poor House, and I would suggest that such an ordinance be passed, following the same lines as the State laws on this subject; make the keeper accountable for the conduct of the inmates and have rules governing their conduct drawn up by the Poor Committee of the Council and enforced by the Keeper. Also stop all meddling with the affairs of the Poor House by the Overseer, as I can find no ordinance giving other power than to issue the orders for the poor and these only after approval by the Poor Committee.

I would also suggest that in all cases of sickness of the City's poor treated in the Hospital, the bill for said treatment be countersigned by the City Physician before payment.

I wish again to call your attention to the need of an efficient Board of Health and wish that said board could be increased by the addition of another member at large making in all seven, thus preventing deadlocks and with the aid of some broadminded sanitarian and engineer such as Wm. Kent or C. R. Wise would make our board far more efficient.

Finally I wish to protest against the decision of the City Council in interpreting the City ordinances so as to charge the City Physician for all prescriptions and drugs used by him in the treatment of the poor and deducting same from his salary. The ordinance when passed was not meant to be so construed, as is very apparent on its face, for it states he is to furnish medicines (only) but how about surgical appliances, trusses, splints, bandages, spit cups, etc. And is it justice to charge the City Physician for medicines furnished the City's poor in one breath, and in the next vote \$8.00 per month to pay for the board of a horse for the use of the Street Superintendent, (I board my own horse and the City Surveyor walks.) Now, Mr. Mayor, I deny most emphatically the right of the Council to charge me for medicines, and as a parallel case will state that a City ordinance states that the City Clerk shall provide polling places and ballots at every general election in the City of Passaic, but do you or I or the City Council presume for a moment that the City Clerk is to *pay* for the same? The ordinance does not say the City Physician shall *pay for the medicines*; of course he must furnish them for if they were not unable to pay for them he would not be in attendance. Again, suppose an epidemic to arise (perhaps cholera); in a few weeks there would be a thousand for the City Physician's care; would he *pay* for or only *furnish* medicines? Further, if a case is put in the Hospital by the City Physician, does he pay for board and medicines? No! Why not? If not, would it not under the present ruling be an inducement to put the City's sick in the Hospital? To remedy the evil I would suggest a different wording of the ordinance as follows: 22. It shall be his duty to visit and prescribe for and treat all indigent sick persons, etc.

By this report you will observe that the work of the City Physician has increased 25 per cent in the last year, and this too when the general health has been above the average.

Yours very respectfully,

PERCY H. TERHUNE,

City Physician.

REPORT OF BOARD OF HEALTH.

PASSAIC, N. J., DECEMBER 18, 1895

Hon. Andrew McLean,

SIR:—During the Current year all saloons on sewerred streets were provided with sanitary closets and urinals within the premises.

143 permits for cleaning vaults were issued.

During the year we had 52 cases of a contagious nature, of which only seven died.

There were about thirty hearings granted by this board and only one suit was necessary to enforce the Health Code.

The Sanitary Code has been revised and published. Very few complaints have been made; all tenants with the exception of one are provided with city water and sanitary arrangements.

The garbage and ash collection is not satisfactory, all stables and cows in the city are regularly inspected.

The plumbing is under the supervision of an inspector who devotes his entire time to the work, and only the best work is approved. In every case in which a connection with the sewer is made, the plumbing in the house is first put in a sanitary condition, so that the number of connections made with the sewers represents the number of houses with modern plumbing.

During the year there were 160 permits granted for sewer connections, and 329 permits issued for building and plumbing.

Respectfully submitted,

G. J. VAN SCHOTT,

Health Inspector.

REPORT OF REGISTRAR OF VITAL STATISTICS.

PASSAIC, N. J. JAN. 4, 1896.

OFFICE OF THE
REGISTRAR OF VITAL STATISTICS.*Hon. Andrew McLean, Mayor of the City of Passaic,*SIR:—I hereby submit the following report for the year
ending Dec. 31st, 1895.

	1895	1894	<i>Increase.</i>	<i>Decrease.</i>
Births	624	484	140	
Marriages	271	159	112	
Deaths	447	432	15	

Respectfully yours,

CORNELIUS VANDER PLOOG,

Registrar of Vital Statistics.



REPORT OF CHIEF ENGINEER.

OFFICE OF CHIEF ENGINEER, }
PASSAIC, N. J., JAN. 18, 1896, }

Hon. Andrew McLean, Mayor of the City of Passaic,

DEAR SIR:—I have the honor to submit to you the annual report of the fire department for the year ending January 18th, 1896. The

MANUAL FORCE

consists of

1 Chief Engineer
1 Assistant Engineer
1 Superintendent Fire Alarm
7 Foremen
7 Assistant Foremen
4 Second Ass't "
3 Engineers
3 Assistant Engineers
3 Stokers
256 Members

Making a total of 286 members

APPARATUS.

The apparatus consists of

3 Steam Engines
2 Trucks
5 Hose Carriages
1 Chemical Engine
2 Babcock Extinguishers
1 Hose Cart
1 Hose Carriage out of service

LOCATION OF HOUSES.

The houses are located as follows:

Engine Company No. 1	Howe ave. & Prospect st.
" " " 2	Passaic st. near 2nd st.
" " " 3	McLean st. near Park Pl.
Truck " " 1	Prospect st. & Howe ave.

Truck Company	No. 2	Westervelt Pl. cor. Park ave.
Hose	"	" 1 Bloomfield ave. & Linden st.
"	"	" 2 Hope ave. bet Harrison st. & President st.

The City Council having purchased a new La France steam engine to replace old No. 3, and the three new Rumsey hose carriages, the equipment of Hamilton Hose and the enterprise of Nos. 1, 2, 3 and Linden Hose in purchasing horses etc., and maintaining same, makes our department more efficient than ever to fight fire.

HOUSES.

The houses of the different companies are in fair repair with the exception of Hamilton Hose and Engine Co. No. 3, which need some slight repairs such as refixing doors, etc.

THE COMMITTEE ON FIRE DEPARTMENT CONSISTS OF

Christian Huber, John Hamilton, Cornelius Kevitt.

OFFICERS.

Herman Schulting, Chief Engineer,
Frank W. Williamson, Assistant Engineer.

ENGINE CO. NO. 1.

Elmer Graham, Foreman,
J. DeKeyser, 1st Assistant Foreman,
Gus. Engler, 2d " "
William Schmidt, Engineer.
Leonard Remig, Ass't "
Otto Smith, Stoker.

ENGINE CO. NO. 2.

John Radcliffe, Foreman,
Geo. Taylor, Ass't "
M. P. McMahon, Engineer,
Jos. Greeley, Ass't "
M. Kane, Stoker.

ENGINE CO. NO. 3.

John Veech, Foreman,
Wm. Connell, 1st Assistant Foreman,

Patrick Greeney, 2d Ass't Foreman,
 Richard Post, Engineer,
 Wm. Burnett, Ass't "
 John Taggenberg, Stoker.

TRUCK CO. NO. 1.

M. B. Matthews, Foreman,
 W. L. Aldous, 1st Assistant Foreman,
 Geo. B. Wilson, 2d " "

TRUCK CO. NO. 2.

Hanford C. Burns, Foreman,
 J. C. Hardenburg, 1st Assistant Foreman,
 A. D. Craft, 2d " "

HOSE CO. NO. 1.

John Kennell, Jr., Foreman,
 A. L. Petterson, Ass't "

HOSE CO. NO. 2.

Edward Glory, Foreman,
 Assistant Foreman.

C. R. NEWMAN, SUPERINTENDENT OF FIRE ALARM.

There is on hand

2,400 feet of hose in good condition
 1,350 " " " " fair "

distributed as follows:

GOOD CONDITION.

Engine Company No. 1	500	feet
" " " 2	400	"
" " " 3	500	"
Truck " " 2	400	"
Hose " " 1	600	"
Total	2,400	"

FAIR CONDITION.

Engine Company No. 1	450	feet
“ “ “ 2	150	“
Engine Company No. 3	200	“
Truck “ “ 2	150	“
Hose “ “ 2	400	“
<hr/>		
Total	1,350	“

Making a total of hose in the department of 3,750 feet.

Our fire alarm system under the control of the Superintendent has worked satisfactorily during the past year. During that time one new box has been put in and I would advise the putting in of at least a dozen more under the supervision of the Chief Engineer. The City has 26 street boxes, 2 private boxes for officers, 6 indicators and gongs located at the different houses, and 1 large bell located in the tower, corner Howe avenue and Prospect street.

During my term of office there were alarms of fire as follows:

	NO. OF ALARMS.	BOX	BOX	BOX	BOXES
1895.					
Feb.	3	35	122	35	
Mar.	1	32			
April					
May					
June	1	212			
July	1	142			
Aug.	1	35			
Sept.	9	15	42	47	131 15 15 43 36
Oct.	3	15	44	15	
Nov.	1	15			
Dec.					
1896.					
Jan.	3	43	43	15	

There have been 3 still alarms doing little or no damage; the total loss is \$8,290.00 average loss \$360.00,—this does not include alarm given September 22nd, box 47, as the fire was out of town. The water supply during the year has been very satisfactory throughout. We have had one out of town request for aid viz., McMains building at Rutherford, N. J., which was quickly responded to. I would recommend to your Honor and the City Council the purchase of life saving nets, also the locating of a chemical engine in the portion of the City commonly known as Dundee, as you will note that nearly half of the alarms were sounded at box 15, which is right in the tene-

ment district, also the establishing of a fire limit, and as our department is growing all the time in my judgment a second Assistant Engineer is necessary. I would also advise the paying of the Chief of the department and the erection of fire escapes.

Respectfully submitted,
HERMAN SCHULTING,
 Chief Engineer Passaic Fire Department.

LOCATION OF COMPANIES IN THE DEPARTMENT.

The location of companies in the department is as follows:

ENGINE CO. NO. 1.

Howe Avenue and Prospect Street, Third class La France engine and four wheel hose carriage.

ENGINE CO. NO. 2.

Passaic Street near Second Street, Third class Clapp & Jones. and four wheel hose carriage.

ENGINE CO. NO. 3

McLean Street near Park Place, Third class La France and four wheel hose carriage.

TRUCK CO. NO. 1.

Howe Avenue and Prospect Street, Gleason & Bailey city truck.

TRUCK CO. NO. 2.

Westervelt Place, Village truck and two wheel hose cart.

HOSE CO. NO. 1.

Bloomfield Avenue and Linden Street, Rumsey four wheel hose carriage.

HOSE CO. NO. 2.

Hope Avenue, Amoskeag four wheel hose carriage.

CHEMICAL ENGINE.

Westervelt Place, Holloway light chemical engine.

LOCATION OF FIRE ALARM BOXES.

BOXES.

14 Mercer and Second Streets.
 15 Passaic and Second Streets.
 16 Passaic St. near Columbia Ave.
 17 Dundee Chemical Works.
 18 Cor. Passaic and Canal Streets.
 23 Main Ave. opposite Speer's Park.
 24 Main and Gregory Avenues.
 25 Old City Hall.
 26 Passaic and Gregory Avenues.
 32 Paulison Ave. and High St.
 33 Alert Truck House.
 34 River Drive and Brook Ave.
 35 Linden Hose House.

BOXES.

36 Passaic and Lafayette Avenues.
 62 Main and Highland Avenues.
 41 Dayton Ave. and Mattimore Street.
 42 Hamilton Ave. and Madison St.
 43 Washington Pl. and State St.
 44 Jefferson St. and Columbia Ave.
 45 Main Ave. opposite Chestnut St.
 46 Dundee Drive and Harrison St.
 47 President St. and Van Wink'e Ave.
 54 Manhattan Print Works.
 122 McLean Engine House.
 131 Passaic Street and Main Ave.
 142 Passaic and Sixth Sts.
 212 Gregory Ave. and Lincoln St.

REPORT OF ALARMS AND LOSSES FOR THE YEAR ENDING JANUARY 15, 1896.

DATE.	HOUR.	BOXES	OWNERS.	OCCUPANT.	LOCATION.	DESCRIPTION.	LOSS CON'TS.	LOSS BUILD'G	ORIGIN OF FIRE.
1895.									
Feb. 22	8.15 a. m.	25	Continental Match Wks.	Owner	Bloomfield Avenue	2 Story Frame.			Explosion Chemicals.
" 24	8.30 "	122	Kontz Estate	Tenement	State Street	" "			Over Heated Stove.
" 24	10.30 "	35	J. Van Assendorf	"	Boulevard	" "	25.00	75.00	"
Mar. 22	8.20 "	32	Erie Railroad	Owner	Paulison Avenue	1½ "			Defective Flue.
June 12	11.15 "	212	C. Kevitt	"	Passaic Avenue	" "	100.00	40.00	Spark from Furnace.
July 10	10.45 "	142	A. Grewinski	"	Bloomfield Avenue	" "	100.00	50.00	Unknown.
Aug. 15	3.40 p. m.	35	Continental Match Wks.	"	Third Street	" "			Concussion.
Sept. 1	5.05 "	15	P. Lorzotki	"	Second Street	Out House		15.00	Matches.
" 18	7.30 a. m.	15	M. Gerger	Tenement	Second Street	2 Story Frame			Oil Stove.
" 20	7.45 p. m.	42	A. Ehmann	J. W. Lindholm	Madison Street	" "	25.00	400.00	Unknown.
" 22	11.30 a. m.	47	T. Jennings	P. Keeley	Hope Ave. & President St.	" "			Matches.
" 23	2.55 p. m.	131	Boggs Estate	Geo. Grosbeck	Pennington Avenue	" "	25.00	175.00	Lamp.
" 23	4.00 "	15	Mr. Hagerty	Tenants	Second Street	" "	1,500.00	3,500.00	Overturned Oil Stove.
" 30	4.00 a. m.	15	A. Grewinski	Owner & Ten.	Passaic & Sixth Streets	" Brick.	175.00	25.00	Over Boiling Fat.
" 30	8.30 "	43	Parochial School	Owner	Washington Pl. & Madison St.	" "	totl los'	15.00	Unknown.
" 30	11.45 "	36	M. Hurley	"	Washington St. & Meade Ave.	Grass plat			Overturned Candle.
Oct. 10	6.45 "	15	Katz Bros.	Tenement	Randolph St.	4 Story Frame			" Heated Furnace.
" 19	1.10 p. m.	44	Gloeweski	Owner	Quincy Street	" Concrete			" Turned Lamp.
" 20	6.30 "	15	R. Clabby	Tenement	Second Street	" Frame			Chimney Soot.
" 20	11.45 a m.	15	M. Worthen	"	Passaic Street	2½ "			
Nov. 26									
1896.									
Jan. 7	4.00 p. m.	43	Dr. Welch	Owner	Washington Place	Out House		50.00	Over Heated Stove.
" 7	11.50 "	43	Henry Frain	Tenement	State & Passaic Streets	3 Story Brick	200.00	300.00	Unknown.
" 15	8.15 "	15	Dundee Woolen Mills.	Owners.	South Street	" "			Spontaneous Combustion.

REPORT OF SUPERINTENDENT OF FIRE ALARM.

PASSAIC, N. J., DEC. 30, 1895.

Honorable Andrew McLean, Mayor of the City of Passaic,

DEAR SIR:—The following changes and improvements have been made in the Fire Alarm Telegraph System since it was placed in my charge May 15th, '95.

After getting the battery room in good shape, the first step taken was the division of the system into three circuits, caused by the wires running through trees.

An 8 inch gong has been placed in the Electric Light Station in connection with the whistle.

Hamilton Hose House has been equipped with an indicator and 18 inch gong. This gong is not new, but is the one at the old City Hall, which is no longer of any service there on account of the big bell, so I removed it to the Hamilton Hose House, thus saving the expense of a new gong, \$250.00.

A new box has been placed at Main and Highland Avenues, and a line run to the Passaic Print Works for a new box they are going to purchase.

Altogether the system has been greatly improved, although there are several important things yet to be done. I have set forth briefly, in the foregoing, about what has been done, the total cost of new appliances, lines, etc., being about \$1,019.50.

Yours very truly,

C. R. NEWMAN.

Supt. Fire Alarm Tel.

REPORT OF OVERSEER OF POOR.

OFFICE OF OVERSEER OF THE POOR, }
PASSAIC, N. J., JAN. 2, 1896. }

Hon. Andrew McLean, Mayor,

SIR:—I have the honor to submit the following report of my Department for the past year. Not taking the office until May 21st, I am not able to give you the same detail of the workings of the Department, as I would if I had been longer in the office. In regard to the out-door relief, I would submit the following report:

1895.

NO. OF FAMILIES RELIEVED.			TOTAL COST.	NO. OF FAMILIES. RELIEVED.			TOTAL COST.
January	26		\$188.00	July	24		\$201.00
February	26		188.00	August	25		166.00
March	28		195.50	September	27		222.50
April	27		242.10	October	27		178.00
May	25		180.00	November	27		188.00
June	24		166.00	December	33		259.50

Making a total of \$2,375.00 for groceries furnished to the outside poor of the city.

There has been \$212.00 expended for payment of rent for parties that it was cheaper to pay a small rent for than to send them to the Poor Farm.

The Poor House and Farm certainly relieve the city from a considerable burden, as many parties who apply for relief, and are fit subjects for the Poor House, will not go out there, but will depend on the charity of some home organization, or leave the city.

The cost of running the Poor House, as far as the furnishing of provisions, for the past year, is as follows:

January	-	-	\$41.52	-	July	-	-	\$73.62
February	-	-	77.13	-	August	-	-	71.86
March	-	-	87.21	-	September	-	-	74.90
April	-	-	58.54	-	October	-	-	85.87
May	-	-	85.83	-	November	-	-	69.42
June	-	-	73.60	-	December	-	-	94.06

Or a total of \$893.56.

I have had on an average 15 persons to care for at the Poor House.

There have been a good many improvements made at the Poor Farm during the past year, the building of a new barn and the repainting of the buildings being among the most expensive.

Mr. J. T. Vreeland, keeper at the Poor House, will make a detailed report of the minor expenses, etc., of the cost of running the Farm ; what he has raised in the way of produce, hay, etc., within a short time.

The total cost of running my Department this year, which includes the cost of all the improvements at the Poor Farm, salaries, etc., was \$5,915.49.

Respectfully submitted,

DANIEL FOGARTY,

Overseer of the Poor.



REPORT OF SUPT. OF POOR HOUSE.

OFFICE OF SUPT. OF POOR HOUSE, }
ATHENIA, N. J., JAN. 6, 1896. }

Hon. Andrew McLean, Mayor of the City of Passaic, N. J.

SIR:—I herewith present for your consideration the following report for the year ending December 31, 1896. The number of inmates during the year at the Poor House was as follows:

January - - -	14	- -	July - - -	17
February - - -	16	- -	August - - -	18
March - - -	16	- -	September - - -	18
April - - -	16	- -	October - - -	14
May - - -	13	- -	November - - -	17
June - - -	13	- -	December - - -	20

Or an average of 16.

All the vegetables used at the Poor House have been raised on the Farm. The milk and butter used was partially supplied, up to July 1st; since that time we have had a full supply. I have stored up for winter use the following supplies, raised on the Farm:

227 bushels	of	Potatoes.
300	"	Corn.
600 bundles	"	Corn Stalks.
700 sheaves	"	Rye.

I have raised hay enough to last up to the present time. The amounts expended for supplies, &c., are as follows:

Groceries, Meat, &c.,	- - -	\$893.56
Dry Goods, Clothing, &c.,	- - -	162.71
Horse-Shoeing,	- - -	18.00
Hay, Feed, &c.,	- - -	129.08
Repairing Harness, &c.,	- - -	13.40
Hardware, Tools, &c.,	- - -	28.74
Shoes, and Repairing Shoes,	- - -	104.55
Coal,	- - -	117.92

The Poor House is in good condition, having been repainted lately. There has also been built lately a new barn, which was badly needed, as the old barn was unfit for use, and too far away from the house.

The health of the inmates of the Poor House is and has been good for the past year, very rarely requiring the services of the City Physician.

Respectfully submitted,

JOHN T. VREELAND,

Supt. of Poor House and Farm.



REPORT OF LEGAL ADVISER.

PASSAIC, N. J., JAN. 20, 1896.

Hon. Andrew McLean, Mayor of the City of Passaic,

SIR:—I hereby report to you the conditions of matters relating to my office as follows:

Unfortunately, on account of the long sickness of Judge Dixon, which occurred just prior to my appointment, all matters in the nature of the confirmation of assessments for street and other improvements, have been delayed and came to a standstill. But as the judge has this day returned to the Bench, the first time for several terms, I had a conference with him and have made arrangements so that all the City matters shall be disposed of as soon as possible.

Yours very truly,

WALTER KIP,

Legal Adviser.



REPORT OF SUPT. OF STREETS.

OFFICE OF SUPT. OF STREETS. }
PASSAIC, N. J., JAN. 1, 1896. }

Hon. Andrew McLean, Mayor,

SIR:—I beg to submit my annual report of work done by this Department during the year ending December 31, 1895.

The following streets have been permanently repaired by top dressing with broken stone: Passaic Avenue, from D. L. & W. R. R. to Prospect Street; Howe Avenue, from Gregory Avenue to Main Avenue, Prospect Street from Passaic Avenue to Main Avenue, besides, doing considerable work in repairing other streets, especially on Passaic, Second and Third Streets.

I have laid two new crosswalks on Monroe Street, one on Hope Avenue, one on Bloomfield Avenue, one on Prospect Street, and one on Central Avenue; and have relaid ten in various parts of the city.

I have used 2,638 tons of broken stone, costing \$2,981.10 in making the necessary repairs in streets, and in excavations made by plumbers. I have issued two hundred and seventy-four permits for street excavation, and forty-four builders' permits.

The total amount of money expended for labor as per my pay roll is \$7,020.39.

I have brought a number of suits against parties for violation of the City Ordinances, and have been successful in them all, with the exception of one, on which decision is now pending.

The total cost for sprinkling streets, during the last year, has been \$1,219.92. The contract price for removing ashes and garbage from the streets of the city is \$2,995.00.

I would recommend that during the coming year the following streets be top dressed: Jefferson Street, Second and Third Streets; and that Third Street from Bergen to Monroe Street be macadamized, also that Harrison Street from Main Avenue to Parker Avenue be macadamized.

In view of the increased and heavy traffic on Passaic Street, I would recommend that the street be paved with

Belgian Blocks from Main Avenue to Fourth Street, as the expense of keeping the macadam in repair would soon pay for the paving.

The increase in the number of macadamized streets makes it necessary to have at least one more Watering Cart, in order that these streets may be kept in proper condition.

I desire to extend my thanks to the Committee on Streets and Assessments, and other City officials, for the courtesy and assistance extended to me during the past year.

Respectfully submitted,

THOMAS GIBLIN,

Supt. of Streets.



REPORT OF BOARD OF ASSESSORS.

OFFICE OF THE BOARD OF ASSESSORS, }
PASSAIC, N. J., JAN. 2d, 1896. }

Hon. Andrew McLean, Mayor,

We beg to submit to you the report of the work of the Board of Assessors for the year 1895.

The tax levy for the year was	-	-	\$199,191.38
Of which amount the County's share was	-	-	57,570.38
And the amount for City purposes was	-	-	141,621.00
Rate \$2.98 per	-	-	100.00
The tax levy for the year 1894 was, for all pur-			
poses	-	-	\$178,695.00
Rate \$2.92 per	-	-	100.00

It will be readily seen that the increase of over twenty thousand dollars necessitated a raise in the rate, but the natural increase together with the improvements fortunately favored us and we were able to make the rate 2.98—six cents per \$100.00 more than in 1894.

The Commissioners of Appeals received and entertained 179 complaints, and reduced our valuations fifty-one thousand eight hundred (\$51,800.00) dollars.

In 1894, 147 complaints were received and a reduction of thirty seven thousand one hundred and eighty (\$37,180.00) dollars was made.

A glance at the following list will prove that our exempt and non-taxable property is rapidly increasing.

Church property	-	-	-	-	\$290,000.00
Property used for charitable purposes	-	-	-	-	13,000.00
Public school property	-	-	-	-	138,000.00
Other school property	-	-	-	-	20,000.00
Other public property besides schools	-	-	-	-	112,200.00
Cemetery property	-	-	-	-	20,000.00
Amount of exemption allowed members of Fire					
Cos.	-	-	-	-	99,535.00
Amount of exemption allowed Veterans	-	-	-	-	18,775.00
" " " " members of Militia					2,875.00
					<hr/> \$714,385.00

We have made a number of assessments for improvements in different parts of the City during the year, a few of which were confirmed at the April term of the Court, but there are still pending, awaiting confirmation, twelve reports which we hope to get through soon.

Among the principal ones are the macadamizing of Pennington avenue and Grove street, the grading &c. of the Boulevard, the opening of Franklin avenue, Erie street, Summer street, Maple street and Meade avenue.

The adoption by the City Council of our new ward maps has proved of great benefit to the City, and while we cannot claim they are perfect yet there is a marked improvement from year to year. Any citizen can now locate his or her property without any danger of error.

This is certainly a marked improvement in comparison with former years.

Respectfully submitted.

THOMAS McMAHON,
GILES S. ORCUTT,
WM. H. SPEER,
JAMES T. BOYLE,
FRANCIS C. COGAN,

Board of Assessors.



Technical drawing of a mechanical part, likely a shaft or hub, showing cross-sectional views. The drawing includes dimensions labeled with letters: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. The part has a central shaft with a flange and a smaller shaft section. The drawing is oriented vertically with the shaft axis horizontal.

Technical drawing of a mechanical part, likely a piston or cylinder head, showing a cross-section with various labeled dimensions and features. The drawing includes a central vertical section with horizontal hatching, a top flange with vertical hatching, and a bottom flange with diagonal hatching. Dimensions are labeled with letters A through M. A small detail view 'N' is shown in the upper right corner.

A detailed technical drawing of a quarter bend in a pipe. The bend is shown in a perspective view, with the pipe entering from the bottom left and exiting towards the top right. The bend is labeled with various letters and numbers: 'H' at the top of the bend, 'A' at the bottom right, 'B' at the bottom left, 'C' and 'D' along the bottom edge, 'E' and 'F' along the right edge, 'G' at the bottom right corner, 'I' at the top right, 'J' at the bottom left corner, 'K' at the bottom right corner, 'L' at the bottom right corner, 'M' at the bottom left corner, 'N' at the bottom left corner, 'O' at the bottom left corner, 'P' at the bottom left corner, 'Q' at the bottom left corner, 'R' at the bottom left corner, 'S' at the bottom left corner, 'T' at the bottom left corner, 'U' at the bottom left corner, 'V' at the bottom left corner, 'W' at the bottom left corner, 'X' at the bottom left corner, 'Y' at the bottom left corner, 'Z' at the bottom left corner, '1' at the bottom left corner, '2' at the bottom left corner, '3' at the bottom left corner, '4' at the bottom left corner, '5' at the bottom left corner, '6' at the bottom left corner, '7' at the bottom left corner, '8' at the bottom left corner, '9' at the bottom left corner, '10' at the bottom left corner, '11' at the bottom left corner, '12' at the bottom left corner, '13' at the bottom left corner, '14' at the bottom left corner, '15' at the bottom left corner, '16' at the bottom left corner, '17' at the bottom left corner, '18' at the bottom left corner, '19' at the bottom left corner, '20' at the bottom left corner, '21' at the bottom left corner, '22' at the bottom left corner, '23' at the bottom left corner, '24' at the bottom left corner, '25' at the bottom left corner, '26' at the bottom left corner, '27' at the bottom left corner, '28' at the bottom left corner, '29' at the bottom left corner, '30' at the bottom left corner, '31' at the bottom left corner, '32' at the bottom left corner, '33' at the bottom left corner, '34' at the bottom left corner, '35' at the bottom left corner, '36' at the bottom left corner, '37' at the bottom left corner, '38' at the bottom left corner, '39' at the bottom left corner, '40' at the bottom left corner, '41' at the bottom left corner, '42' at the bottom left corner, '43' at the bottom left corner, '44' at the bottom left corner, '45' at the bottom left corner, '46' at the bottom left corner, '47' at the bottom left corner, '48' at the bottom left corner, '49' at the bottom left corner, '50' at the bottom left corner, '51' at the bottom left corner, '52' at the bottom left corner, '53' at the bottom left corner, '54' at the bottom left corner, '55' at the bottom left corner, '56' at the bottom left corner, '57' at the bottom left corner, '58' at the bottom left corner, '59' at the bottom left corner, '60' at the bottom left corner, '61' at the bottom left corner, '62' at the bottom left corner, '63' at the bottom left corner, '64' at the bottom left corner, '65' at the bottom left corner, '66' at the bottom left corner, '67' at the bottom left corner, '68' at the bottom left corner, '69' at the bottom left corner, '70' at the bottom left corner, '71' at the bottom left corner, '72' at the bottom left corner, '73' at the bottom left corner, '74' at the bottom left corner, '75' at the bottom left corner, '76' at the bottom left corner, '77' at the bottom left corner, '78' at the bottom left corner, '79' at the bottom left corner, '80' at the bottom left corner, '81' at the bottom left corner, '82' at the bottom left corner, '83' at the bottom left corner, '84' at the bottom left corner, '85' at the bottom left corner, '86' at the bottom left corner, '87' at the bottom left corner, '88' at the bottom left corner, '89' at the bottom left corner, '90' at the bottom left corner, '91' at the bottom left corner, '92' at the bottom left corner, '93' at the bottom left corner, '94' at the bottom left corner, '95' at the bottom left corner, '96' at the bottom left corner, '97' at the bottom left corner, '98' at the bottom left corner, '99' at the bottom left corner, '100' at the bottom left corner.

$\frac{1}{8}$ Bend.

The diagram illustrates the layout of a pipe bend. Key dimensions and labels include:

- I**: The straight length of the pipe between the start and end of the bend.
- H**: The height of the pipe at the end of the bend.
- A**: The radius of the bend.
- B**: The height of the pipe at the start of the bend.
- C**: The distance from the start of the bend to the center of the pipe.
- D**: The distance from the center of the pipe to the end of the bend.
- E**: The height of the pipe at the center of the bend.
- F**: The height of the pipe at the end of the bend.
- G**: The distance from the end of the bend to the center of the pipe.
- J**: The height of the pipe at the start of the bend.
- K**: The height of the pipe at the end of the bend.
- L**: The distance from the center of the pipe to the end of the bend.
- M**: The height of the pipe at the center of the bend.
- N**: The height of the pipe at the end of the bend.
- O**: The height of the pipe at the center of the bend.
- P**: The height of the pipe at the end of the bend.
- Q**: The height of the pipe at the center of the bend.
- R**: The height of the pipe at the end of the bend.
- S**: The height of the pipe at the center of the bend.
- T**: The height of the pipe at the end of the bend.
- U**: The height of the pipe at the center of the bend.
- V**: The height of the pipe at the end of the bend.
- W**: The height of the pipe at the center of the bend.
- X**: The height of the pipe at the end of the bend.
- Y**: The height of the pipe at the center of the bend.
- Z**: The height of the pipe at the end of the bend.

DIMENSIONS OF PIPE IN INCHES. FIG. 2.																													
Size of Pipe	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c
6" Main 6"	6	9 1/2	7 1/2	0 1/2	0	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	7 1/2	1 1/2	6	3	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3	0 1/2	13 1/2	2 1/2	
8" " "	8	12	10 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	9 1/2	1 1/2	6	3	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	2 1/2	0 1/2	13 1/2	2 1/2	
8" " 8"	8	12	10 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	9 1/2	1 1/2	8	4	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	2 1/2	0 1/2	13 1/2	2 1/2	
9" " 6"	9	12 1/2	11 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	10 1/2	1 1/2	6	3	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3	0 1/2	13 1/2	2 1/2	
9" " 8"	9	12 1/2	11 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	10 1/2	1 1/2	8	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
9" " 10"	9	12 1/2	11 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	0 1/2	1 1/2	10 1/2	1 1/2	9	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
10" " 6"	10	14 1/2	13 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	12 1/2	1 1/2	6	3	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
10" " 8"	10	14 1/2	13 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	12 1/2	1 1/2	8	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
10" " 10"	10	14 1/2	13 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	12 1/2	1 1/2	9	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
12" " 6"	12	16 1/2	15 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	14 1/2	1 1/2	6	3	2 1/2	1 1/2	0 1/2	0 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
12" " 8"	12	16 1/2	15 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	14 1/2	1 1/2	8	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
12" " 10"	12	16 1/2	15 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	14 1/2	1 1/2	9	4	3	1 1/2	0 1/2	1 1/2	0 1/2	3 1/2	7 1/2	7 1/2	9 1/2	3 1/2	0 1/2	13 1/2	2 1/2	
12" " 12"	12	16 1/2	15 1/2	1 1/2	0 1/2	3 1/2	22 1/2	24 1/2	26	1 1/2	1 1/2	14 1/2	1 1/2	10	4	3	1 1/2	0 1/2											

DETAIL OF BELL

VITRIFIED SEWER PIPES

Wise & Watson, Eng'rs.

DIMENSIONS OF PIPE IN INCHES. FIG. 3.																													
Size of Pipe	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	
6 Main 6" Y	6	9	7	7	0	3	2	2	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	8	12	10	10	1	0	3	2	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	8	8	12	10	0	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	9	6	9	12	11	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	9	8	9	12	11	1	1	0	3	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	9	9	9	12	11	1	1	0	3	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	10	6	10	14	13	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	10	8	10	14	13	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	10	9	10	14	13	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	10	10	10	14	13	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	12	6	12	16	15	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	12	8	12	16	15	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	12	9	12	16	15	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	12	10	12	16	15	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	6	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	8	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	9	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	10	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	12	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	15	15	15	20	18	1	0	3	2	2	2	2	2	2	0	1	1	1	1	1									

REPORT OF CITY SURVEYOR.

OFFICE OF CITY SURVEYOR, }
PASSAIC, N. J., JAN. 1, 1896. }

Hon. Andrew McLean, Mayor of the City of Passaic,

DEAR SIR:—In accordance with custom I hereby submit for your consideration, my sixth annual report, covering the work of the Department of the City Surveyor for the year ending Dec. 31st, 1895, and also other matters intimately connected therewith.

PUBLIC IMPROVEMENTS.

Very little in the way of public improvements, in comparison with those of recent years, was undertaken last year. This was due partly to the depression existing in the business world, and partly to the delay of the Supreme Court of the State, in passing upon the legality of our Board of Assessors, and of its acts as a board in all matters appertaining to assessments for public improvements.

Among the improvements which have been delayed awaiting the opinion of the Court, are some which are of more than ordinary importance in the further development of our City.

They are as follows, viz.:

The opening of Meade Avenue between Aycrigg Avenue and Gregory Avenue, of Summer Street west of Main Avenue, of Westervelt Place between Orchard Street and High Street, of Franklin Avenue between Westervelt Place and Aycrigg Avenue, and of Erie Street between Aycrigg Avenue and Main Avenue.

The delay in opening and otherwise improving Meade Avenue and Maple Street, both "valley-line" streets, defers the improvement of considerable private property in the Third Ward. This is on account of the impossibility of taking care of the surface water and sewage of that section, which must, owing to the conformation of the ground, pass through those two streets.

The opening of Franklin Avenue and of Erie Street (the latter being practically a continuation of Franklin Avenue) is a matter which the residents of the Passaic Bridge section of the city, and their far-seeing representatives in the Council, began fifteen years ago to agitate, and have ever since con-

tinued to urge, as giving a low grade, short-cut, route from that large and rapidly growing section, to the business center of the city, and one that will be largely travelled.

The opening of the other streets above mentioned is also much to be desired.

The following assessment reports are awaiting confirmation, namely:

Assessment of costs and expenses of laying macadam on Pennington Avenue.

Assessment of costs and expenses of laying macadam on Grove Street.

Assessment of costs and expenses of laying sewer in Lexington Avenue.

Assessment of costs and expenses of laying sewer in Passaic Avenue

Assessment of costs and expenses of laying sewer in the Boulevard.

Assessment of costs and expenses of grading, &c., the Boulevard.

Assessment of costs and expenses of grading, &c., Harrison Street.

WORK UNDER WAY AT DATE OF LAST REPORT.

At the time of my last report, the following improvements were under way, viz.:

The construction of sewers in the Boulevard, in Passaic Avenue and in Lexington Avenue, and the macadamizing of Grove Street. These were all finished early in the year.

WORK NOW IN PROGRESS.

Since the first of 1895 the City has undertaken new work as follows, viz: the grading, curbing, guttering and flagging of Howard Avenue between Franklin Avenue and High Street; the grading, curbing and guttering of Passaic Street between Sixth Street and the Passaic river; and the macadamizing of Prospect Street between Passaic Avenue and Main Avenue. Some time ago contracts were awarded for the improvement of High Street from Westervelt Place to Van Houten Avenue, and of Randolph Street from High Street to Pennington Avenue, and although the contracts for these two pieces of work were signed in November, and should have been completed by this time, no work has been done on either to the present moment, while considerable private work of the same nature and upon one of these two streets was awarded by property owners at the same time, and was begun and completed by other contractors, before freezing weather set in. The delay on the part

of contractors in the past, has cost the city and the property owners considerably in one way or other. The non-completion, on time, by the contractors, of the grading of Van Houten Avenue and of Monroe Street, some years ago, deprived the City of macadam on both of those thoroughfares, for the freeholders stood ready at that time to macadamize both of them. Before the grading was done, however, other sections of the county brought pressure to bear upon the freeholders, with the result that the money which had been appropriated for these two streets was transferred, and expended upon roads in the townships.

In addition to the improvements made by the city, there were a number made by the Passaic and Newark Electric Traction Company, which opened, graded, macadamized and terraced a large portion of Erie Street, and opened and graded Franklin Avenue from Aycrigg Avenue to Westervelt Place, and graded Franklin Avenue between Brook Avenue and the City limits, to the full, legal width. The work has been well done, and is a credit to the Electric Railway Company, as well as a great public service.

There have been two new streets opened and graded during the past year by owners of property at their own expense, viz.: Westervelt Place by Mr. Joseph R. Hawkins, and Tennyson Place by Dr. C. M. Howe. Both of the streets are in the Third Ward and are shown on the latest maps of the city.

ADDITIONS.

The following tracts have been purchased and subdivided since my last report, viz:

The old Reformed Dutch church parsonage property on Lexington Avenue, in the Fourth Ward, by the J. L. Hutchinson Land Co.

The Engeman property on the northeast corner of Bloomfield and Van Houten Avenues, in the Third Ward, by the J. L. Hutchinson Land Co.

The Boynton property on Franklin Avenue in the Third Ward, by Dr. Chas. M. Howe.

The so-called Dundee Island in the First Ward, by Dr. Chas. M. Howe.

The Mt. Vincent Vineyard property of the Speer N. J. Wine Co., by the Speer N. J. Wine Co., Third Ward.

The Schulting property on Randolph Street in the Third Ward, by the estate of H. Schulting.

The Dunn property on Brook Avenue, Third Ward, by Jos. R. Hawkins.

SEWERS.

The sewer systems of the city have worked satisfactorily during the year. There have been very few stoppages, and those were of little moment. Mr. Aaron Kievit, inspector of sewers, and Mr. Wm. Davidson, inspector of plumbing, have been energetic in ferreting out abuses, and have called my attention to a number of instances of one sort or another. In a couple of cases large volumes of hot water from the condensers of manufactories have been allowed to discharge directly in the sewers. Arrangements have been made to prevent this in the future.

Some time ago we discovered that a number of private, as well as public stables, had their "washing platforms" connected with the sewer, and that the sand and mud, washed from the wagons and carriages, entered the sewers and was gradually filling them. The owners were instructed to put the proper sand basins and traps in, and adopted "bell-traps," but it was soon found that these were being tampered with, or not used properly. Recently Mr. Davidson devised a trap, which I believe will serve the purpose admirably, and I shall sustain him in his endeavors to have them substituted for those now in use, and used hereafter in all new cases.

Recent examinations of our sewer system show that our sewers, though of ample capacity, are carrying large volumes of water which reach them through leaking water pipes, bad plumbing, etc.

In the construction of the sewers themselves, the utmost care was observed to insure water-tight joints, but that the same care has been observed in making house connections, I do not believe. It is through these that most of the leakage enters the sewers. Bad plumbing is responsible for a great deal, and the almost criminal waste of water in the lavatory and in the kitchen accounts for the remainder.

The result of the great and unnecessary waste indulged in by persons who allow dozens of gallons of water to run, in order to obtain a glass of cold water, will be the more general use of water meters upon house service pipes. Few persons appreciate the "great waste of water occasioned by leaks of apparently insignificant size." In order to show this I have made experiments recently, following out the suggestions of Mr. William Hope in his paper on "The waste of water in Public Supplies and its Prevention," and Exhibit "E" gives the result. "The actual number of gallons per day which, under a pressure of 60 lbs. per sq. in., passed through each hole, is noted on the drawing, together with the corresponding number

of persons which that quantity would supply" at the rate of 20 gallons per day. See Exhibit "E."

There have been issued from this office to date, 1,318 permits for sewer connections, of which four are duplicates, leaving 1,314 as the actual number of connections made. No "stolen connections" were discovered during the year.

This office has as usual been called upon for information by plumbers and property owners as to the location, depth and size of sewers, and connections, as well as the situation of solid rock, quicksand, and other materials of a troublesome nature.

ASSESSMENT MAPS.

There have been a great many transfers made during the year of property, and these have all been noted on the Assessment maps, as called for in Section 8, Chapter 2 of the General Ordinance. A number of tracts of land have been subdivided since my last report, and these have all been shown on the maps.

Property owners are now better able to keep the "run" of their property, and their tax bills, than at any previous time.

There is now also no confusion in the matter of the proper numbering of the houses in the city, as the numbers are shown on the maps in front of each lot. We are called upon almost daily to give the numbers of houses being erected in various parts of the city, as well as to occasionally correct the numbering of houses in the older parts of the City.

GRADE MAPS.

Owing to the fact that there have been many changes in the lines and grades of streets in the past ten years, and many new streets laid out and opened for which no grades have ever been established, and also owing to the fact that the grade maps on file in the office of the City Clerk show grades which differ materially in many instances from those used in grading, curbing and guttering streets previous to the adoption of the grade maps, I recommend that new grade maps of the entire city be made on which will be shown the correct elevations of all street corners and breaks in the grade of the curb lines.

The expense of this would be moderate.

MONUMENTS.

The work of placing monuments at street corners, and angles in the lines of streets, has been prosecuted as rapidly as the circumstances permitted. The first, and fourth wards

are pretty well monumented, but the second and third are much behind in this respect. The value of stones set at the corner of a block or a piece of property, to mark the lines, is becoming to be more and more appreciated by the property owners and they are in many cases calling for them to be placed at the corners of their lots or plots.

EXHIBITS.

The exhibits hereto attached, show first: "A" the ordinances approved during the year; "B" the lineal feet of streets and avenues opened and improved during the year; "C" the lineal feet of sewers constructed during the year; and "D" the property owned by the City of Passaic; "E" the flow of water through orifices, &c., and "F" the volumes which passed through the Lake View meters at the time of the water investigation by Mr. C. B. Bush and myself.

ASSISTANTS TO THE CITY SURVEYOR.

The following persons have been engaged during the year either in the field making surveys for, and superintending the various improvements, or in the office at work in the preparation of plans and reports for the City Council, or for the Board of Assessors in connection with their assessment reports upon the costs and expenses of the various improvements, before the Circuit Court, &c., viz.:

A. L. Pettersen, Chief of Office
S. Rein, Draughtman, &c.
John Doolittle, Transitman, &c.

John McKenzie, Rodman, &c.

Fred R. French, Plans, &c.

George F. Emerson } Office,
Harry Doolittle, } Blueprints,
 } Records, &c.

Harry M. Fredericks,
Chainman &c.

In conclusion I wish to return my thanks to yourself, to the City Council, the City Clerk and to the other City officials for the many courtesies and assistance offered me during the year just ended.

Respectfully,

COLIN R. WISE,

City Surveyor.

EXHIBIT "A,"

Ordinances passed during the year 1895.

NAME OF STREET.	FROM	TO	DESCRIPTION OF WORK.	APPROVED BY MAYOR.
Hope Avenue	Harrison Street	President Street	Change of Grade.	January 23rd
Bloomfield Avenue.	D. L. & W. R. R.	Van Houten Avenue.	Curb, Gutter and Flag.	" "
Hobart Street	Dayton Avenue.	Dundee Canal	Adopt Grade.	April 2nd
Ann "	Columbia "	Tail Race.	Vacated	" "
Autumn "	Lexington "	Van Winkle Avenue	"	" "
Butler "	" "	City Limits.	"	" "
First "	Summer "	"	"	" "
Morris "	Second "	Dundee Canal	"	" "
State "	Park Place.	Main Avenue.	"	" "
An Unnamed Street	Lexington Avenue.	City Limits.	"	" "
Canal Street	Passaic Street.	First Street.	"	" "
Essex "	First "	Canal	"	" "
Garfield "	Randolph "	D. L. & W. R. R.	"	" "
Alden Place.	Terhune Avenue.	City Limits.	Re-establish Grade.	29th
Randolph Street.	High Street.	Pennington Avenue.	Open and Improve	May 14th
Meade Avenue.	Gregory Avenue	Aycrigg	Establish Grade.	July 16th
Howard Street.	Franklin "	High Street.	Grade, Curb, Gutter and Flag.	" "
Maple "	The Boulevard.	Paulison Avenue.	Opening	August 20th
Westervelt Place.	Orchard Street.	High Street.	Establish Grade	" "
Passaic Street	Sixth "	Passaic River	Open and Improve	Sept. 17th
Maple "	Linden "	Lafayette Avenue	Grade, Curb, Gutter, Flag, &c.	October 18th
Prospect "	Passaic Avenue.	Main	Change of Grade.	11th
Beech "	Linden Street	The Boulevard.	Macadamize	13th
Randolph "	High	Pennington Avenue	Alter and Relocate Lines	5th
Hobart "	Dayton Avenue.	Dundee Canal	Grade, Curb, Gutter and Flag	13th
High "	Westervelt Place.	Randolph Street	Sewer.	" "
			Grade, Flag, &c.	5th

EXHIBIT "B."

Lineal feet of Streets and Avenues improved by City during the year 1895.

NAME OF STREET.	FROM	TO	NATURE OF IMPROVEMENT.	LENGTH OF STREET	WIDTH OF STREET.	COST DECLARED	AMOUNT OF COST.
*The Boulevard.....	Bloomfield Ave.....	A point 350 S. of Beech St.....	Grading, Curb, Gutter and Flag.....	1180	70	Oct.	\$ 2,907.82
*Pennington Ave.....	Main Ave.....	Van Houten Avenue.....	Macadamizing.....	3930	70	Feb. 18th	11,832.59
Van Houten Ave.....	Spring Street.....	River Drive.....	Curb, Gutter, Shade Trees.....	512	60	Feb. 18th	742.51
*Harrison Street.....	Main Ave.....	Erie R. R.....	Curb, Gutter, Shade, &c.....	319	66	June 3rd	488.50
Prospect Street.....	Main Ave.....	Passaic Avenue.....	Macadamizing.....	1449	50		
†Randolph Street.....	High Street.....	Pennington Avenue.....	Grade, Curb, Flag, &c.....	494	60		
Howard Avenue.....	Franklin Ave.....	High Street.....	Grade, Curb, Gutter, &c.....	1000	60		

*Under Construction at time of last report.

†Not yet completed.

Lineal feet of Streets and Avenues improved by Property Owners during 1895.

NAME OF STREET.	FROM	TO	NATURE OF IMPROVEMENT.	LENGTH OF STREET.	WIDTH OF STREET.	OWNER'S NAME.
Westminster Place.....	Brook Avenue.....	Terhune Ave.....	Grading.....	550	50	Joseph Hawkins
Carlton ".....	Franklin ".....	High Street.....	".....	784	60	Chas. M. Howe
Tennyson ".....	".....	Carlton Place.....	".....	898	60	".....

EXHIBIT "C."

Sanitary Sewers with Manholes and Flush tanks constructed by the city during the year 1895.

NAME OF STREET.	FROM	TO	LENGTH OF SEWER.	SIZE OF SEWER.	MATERIAL	No. Flush Tanks.	No. of Manholes.	COST DECLARED.	AMOUNT OF COST.
Passaic Avenue	Lafayette Avenue.....	The Boulevard.....	442.5	8 inches	Vitrified Pipe	1	1	June 3:d.	\$641.61
Lexington "	Elm Street.....	Harrison Street.....	1134.5	"	"	1	3	Dec. 16th.	1217.67

Total Length of Sanitary Sewers: $23\frac{4}{10}$ miles or 123,874 ft. Total Length of Storm-water Sewers: $1\frac{1}{10}$ miles or 6,068.80 ft

EXHIBIT "D."

LIST OF PROPERTY OWNED BY THE CITY.

1. High School on easterly corner of Bloomfield and Lafayette aves., 17.9 city lots in area.
2. School No. 1. northeast corner of William and Passaic streets, 5.3 city lots in area.
3. School No. 2 northwest corner of Bergen and Second streets, 8.0 city lots in area.
4. School No. 3 west corner of Van Houten avenue and Waverly Place, 8.0 city lots in area.
5. School No. 4 on east corner Paulison and Howe avenues, 6.8 city lots.
6. School No. 5 west side of Harrison street between Hope avenue and Van Winkle street, 13.7 city lots.
7. School No. 6 north corner Hamilton avenue and Madison street, 15.6 city lots.
8. School Manual Training northwest side Howe avenue, 4.6 city lots.
9. Old City Hall northwest corner Howe ave. and Prospect street, 2.8 city lots.
10. Dundee Engine House south side Passaic street between First and Second streets, 1.0 city lots.
11. McLean Engine House east side McLean street between Park Place and Passaic street, 1.0 city lots.
12. Linden Hose House west corner Linden street and Bloomfield avenue, 1.79 city lots.
13. Passaic Bridge Park between Franklin avenue and River Drive and between Westervelt Place and the Erie Railroad, 32.50 city lots.
14. City Hall Park between Paulison and Gregory avenues 67.00 lots.
15. Poor Farm, Athenia, Passaic County, N. J., 12.57 acres.

Exhibit "F"

Diagram

Showing flow of water through 20 inch Main, as ascertained from readings of
of
Large meter at Lake View, N. Y. May 31st & June 1st 1894 at time of Water Supply
Investigation by Messrs. C. D. Brush & C. R. Wise.

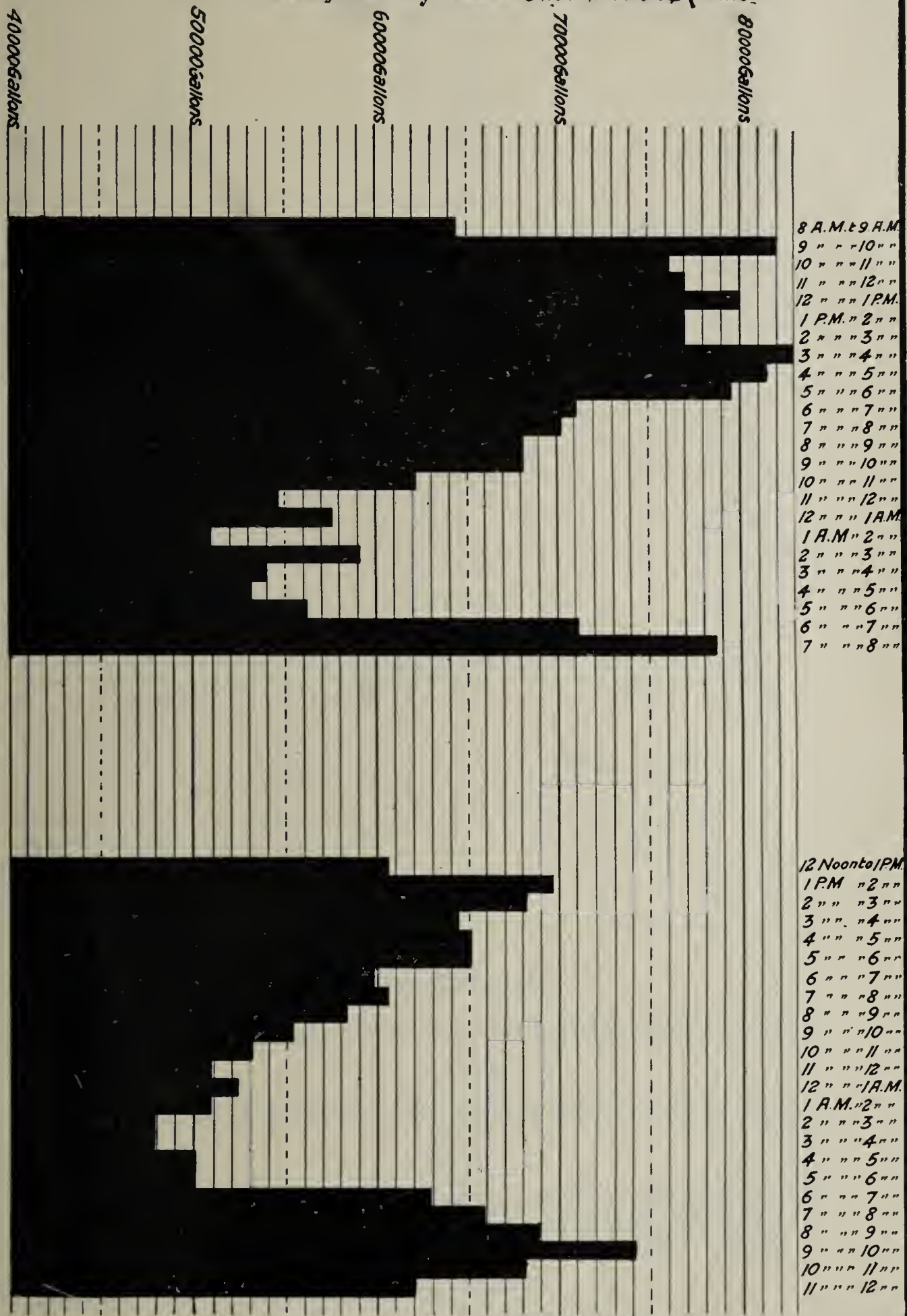


Exhibit "E"

Discharge in Gallons per day.

16934

Size of Hole
 $\frac{1}{4}$ "

Numbers of Persons that would be
supplied at the rate of 20 galls. capita.

846

12096

$\frac{1}{3}$ "

605

8287

$\frac{1}{6}$ "

415

4456

$\frac{1}{8}$ "

223

1176

$\frac{1}{19}$ "

59

Diagram

Showing Results of Experiments on the Flow of Water
through

Circular Holes under a Pressure of 60 pounds per sq. inch
and

Giving also the Number of Persons, that might be supplied
By the Discharge through Holes &c. of various Sizes.

TABLE OF AREAS, ETC. OF CIRCULAR SEWERS.

DIAMETER OF SEWER IN INCHES.	AREA IN SQUARE FEET.	CIRCUMFERENCE IN FEET.
4	0.08726	1.0472
6	0.19635	1.5710
8	0.34905	2.0944
9	0.44178	2.3560
10	0.545416	2.6180
12	0.785400	3.1417
15	1.22717	3.9270
18	1.76715	4.7124
20	2.18166	5.2360
22	2.6398	5.7596
24	3.14159	6.2832
30	4.9087	7.8540
36	7.0686	9.4247
40	8.7266	10.4720
42	9.6211	10.9960
45	11.0446	11.781
48	12.5664	12.567
54	15.90435	14 138
60	19.6350	15.708
66	23.7583	17.279
72	28.2744	18.850
78	33.1831	20.420
84	38.4846	21.991
90	44.17875	23.562
96	50.2652	25.133
102	56.7451	26.703
108	63.6174	28.274
114	70.8823	29 845
120	78.540	31.416
126	86.5903	32 987
132	95.0334	34.558
138	103.8391	36.128
144	113.097	37.699

Table showing the quantity of rainfall per acre.

DEPTH OF RAIN IN INCHES.	CUBIC FEET PER ACRE.	U. S. GALLONS PER ACRE.
0.1	363.0	2735.43
0.15	544.5	4073.14
0.20	726.0	5430 86
0.25	907.5	6788.57
0.30	1089.0	8146.28
0.35	1270.5	9503.99
0.40	1452.0	10861.71
0.45	1633.5	12219.42
0.50	1815.0	13577.14
0.55	1996.5	14934.85
0.60	2178.0	16292.57
0.65	2359.5	17650.28
0.70	2541.0	19008.00
0.75	2722.5	20365.71
0.80	2904.0	21723.42
0.85	3085.5	23081.13
0.90	3207.0	24438 84
0.95	3448 5	25796.56
1.00	3630.0	27154 28

REPORT OF BOARD OF EDUCATION.

PASSAIC, N. J., JAN. 13, 1896.

Hon. Andrew McLean, Mayor,

DEAR SIR:—In compliance with your request, I respectfully submit this, the first annual report of the Board of Education.

The primary object of this report is, to give such information concerning the condition of our schools as will enable your Honor and the City Council to intelligently judge of the needs of this department, and incidentally inform the public of what we are doing.

This Board is heartily in accord with the public sentiment in favor of a broad and thorough system of public education, and have spared no pains in endeavoring to make the efficiency of the schools something of which we should be proud.

We have adopted strict rules regarding the qualifications of teachers, and an applicant must pass a rigid examination before receiving an appointment.

The new system of paying teachers according to length of service, makes it possible to transfer a teacher to a grade for which she is best qualified, without causing her any financial discomfort.

The text-books used in our schools are the best and most modern that can be procured.

The special branches, *i. e.*, Kindergarten, Free-hand Drawing, and Singing, have met with great success, and it is only necessary to visit the schools to learn of their efficiency.

The Manual Training, Cooking, and Mechanical Drawing schools have succeeded better than was anticipated by the most sanguine, and many who were opposed to them, now speak of them favorably.

The High School has, by the addition of a third assistant, the adoption of some new subjects, and the change from a three to a four year course, been made more thorough. A graduate of the Classical course is prepared to enter many of our colleges.

For two seasons we conducted a "Summer School" in Dundee, during the months of July and August, the object being to give the children every possible opportunity to attend school.

The success of the Evening school is all that is necessary to demonstrate that it is a very important addition to our system of public instruction. It is appreciated by a large number who have been deprived of the advantages of earlier education. The great consideration now is, how to render it more efficient.

I will not attempt to enter into the details in regard to the educational work. I leave that to our worthy Superintendent, who is better qualified to review the work of the past.

At present there is overcrowding in all the school buildings, and in many cases it has been necessary to divide the classes into two divisions, each having one session per day. We hope to relieve this condition in the course of a few months, by the completion of the new sixteen-room building now in course of erection, on the corner of Hamilton Avenue and Madison Street.

In the past, the necessities of the present day appear to have been overlooked, or we would not be suffering from the above inconvenience; but we now hope to not only meet the present demands, but to be constantly preparing for the future.

It has been observed that as soon as a building site is sought after for school purposes, its value is immediately enhanced in the mind of the owner.

I earnestly recommend that next year a sufficient sum be appropriated, with which to purchase two new sites. At the present time, suitable grounds can be purchased for a reasonable price, and the increase in value will more than repay the interest on the investment. The locations could be selected with judgment as to adaptation, and buildings erected when required.

All of our school buildings are in excellent condition, except old Number One, and it is believed to be impossible to judiciously expend money sufficient to put the present building in a good sanitary condition, and suitable for school purposes. But the site is a very valuable one, is centrally located and should not be abandoned or sacrificed, and I recommend that, as soon as the new building is completed, the Board of Education give its attention to the advisability of rebuilding Number One, or erecting a larger and more modern building, to be used as a Primary school.

There is no recommendation that should be more persistently urged, than that the Council immediately grant an appropriation, at least equal to the amount of premium received on the last issue of School Bonds, and also the amount received for tuition fees from non-resident pupils.

The cost of instructing non-resident pupils is borne by this Board, and any income from that source should be placed to our credit.

When the Board first asked for an appropriation of forty-six thousand dollars for the new school building, it was believed that the building could be erected and equipped for that amount; but a subsequent estimate proved that it would be necessary to have forty-eight thousand dollars. This sum was asked for, but the Council was not willing to grant more than forty-six thousand. When excavating for the foundation on the southeast corner, it was found necessary to go several feet lower than was intended, in order to obtain a firm foundation. This caused an additional outlay of \$330.00, which, added to the above shortage in the appropriation, equals \$2,330. This amount is actually needed to completely equip the new building.

In considering the actual requirements of our public school system, it is well to bear in mind that the public school system forms an important element in our municipal affairs, and upon its efficiency depends the successful management of our future government. Every child is entitled to a full day's education, and we are bound to give it; and yet, there are hundreds of children wandering around our streets, receiving no instruction, and without care, and we dare not ask them in, on account of lack of accommodations.

When I ponder over the responsibility resting on every member of the Board, I am appalled, and yet we are powerless without your aid.

The attached figures will show the standing of the schools.

Respectfully,

W. T. MAGEE,
Pres. Board of Education.

COMPARATIVE EXHIBIT FOR THE LAST SEVEN YEARS.

Year.	No. of Buildings.	Value of Property.	No. of Teachers.	Enrollment.	School Census.	Population of City.	Current Expenses.			Permanent Expenses.	Gross Expenses.
							Day School.	Evening School.	Man. Tr. School.		
1888-9	5	\$ 80,000	32	1,816	3,071	*11,450	\$25,960.98	\$ 839.00	.....	\$ 2,170.31	\$28,970.29
1889-90	6	89,000	34	2,056	3,002	12,450	26,489.95	1,144.80	.....	12,110.16	39,744.91
1890-1	6	89,000	36	2,053	3,333	+13,368	31,988.89	1,048.37	\$ 958.36	2,712.47	36,748.09
1891-2	6	89,000	39	2,045	3,277	14,700	31,878.96	1,089.75	.....	1,529.20	36,497.91
1892-3	6	89,000	45	2,658	3,743	15,500	36,999.34	1,343.15	.....	2,335.88	40,738.37
1893-4	6	89,000	47	2,819	4,308	16,700	38,654.81	1,500.00	2,301.66	13,755.00	56,211.47
1894-5	7	• 125,000	56	2,938	4,689	18,000	45,653.44	1,521.02	2,088.77	9,985.66	59,248.89

*Estimated. +Census

The enrollment for the current school year has already reached 2,917; this is within 21 of the enrollment for all of last year.

EXPENDITURES.

The expenditures as taken from the Secretary's books, were, for the year 1894-5 as follows :

CURRENT EXPENSES.

For Teachers' Salaries, - - -	\$26,571.53
“ Repairs of Buildings, - - -	4,296.29
“ Furnaces and Fuel, - - -	1,685.07
“ Books and Stationery, - - -	4,552.27
“ Janitors and Clerk, - - -	3,491.49
“ City Superintendent, - - -	1,899.96
“ Water, Gas and Printing, - - -	737.78
“ Insurance, Rent, Census and Incidentals,	2,419.05
“ Evening Schools, - - -	1,521.02
“ Manual Trainng, - - -	2,088.77
	<hr/>
	\$49,263.23

PERMANENT EXPENSES.

For Furniture, - - -	\$2,242.61	
“ No. 4 School Building, - - -	7,743.05	
	<hr/>	9,985.66
Total Expenditures,		<hr/>
		\$59,248.89

EIGHTH REPORT OF TRUSTEES OF PASSAIC
FREE PUBLIC LIBRARY.

To the Honorable Board of Councilmen of the City of Passaic,

GENTLEMEN:—In accordance with Section 7 of the Public Library Act, (adopted by the Legislature of New Jersey, April 1, 1884) the Board of Trustees of the Free Public Library of Passaic present their eighth annual report.

They take much pleasure and satisfaction in stating that the past year has been the most important and progressive in the Library's history. Our report of last year found us in the midst of the important work of systematizing and cataloguing the books. The work has been completed after the most approved Library methods, namely, the Dewey system, under the able superintendence of Miss Theresa Hitchler, assisted by Miss Hattie Clark, who did very effective work during the year she was with us, and by the present Librarian, Miss Lambert, and the assistant, Miss Kilgour. Their labors have culminated in the issuing of a catalogue which is a model of completeness. Few patrons of the Library will realize the labor and expense of preparing this catalogue of authors, subjects and titles.

The financial burden of publishing this catalogue has been lightened by the liberal advertising which our business people have furnished, and the trustees desire to thus thank them publicly for their co-operation. The catalogue is on sale at the library, in both paper and cloth, at the nominal price of 25 and 50 cents, and it is hoped that a copy will find its way into every family in Passaic. Every copy that is purchased will enable the trustees to buy an additional book for the Library. The most progressive, in fact aggressive work of the year, has been the establishing of the Dundee branch. This was made possible by the liberal contributions of a few of our citizens, headed by ex-Mayor Brown, which provided in advance for a large portion of the expense for the first six months. In entering on this work the trustees were well aware that the regular appropriation would not be sufficient to run both the Main Library and the Dundee Branch, but encouraged by the liberal contributions before mentioned, they decided to assume the responsibility of a six months' trial. The trustees were fortunate in securing the new building of Mr. Reisel on Second Street, which combined the advantage of be-

ing central and at the same time comparatively quiet. Mr. Reisel not only rented the room at a reasonable price, but also contributed his entire services. At the end of this experimental period of six months, through the liberality of the Council an appropriation was made sufficient to warrant a continuance of this important work. The growth of this branch has been almost phenomenal, both in the Reading Room and in the demand for books. The trustees are especially glad that the wise action of the Council has been fully sustained by the liberal patronage of the branch by the citizens and residents of the manufacturing district. While the trustees are agreed that the Library is properly located in its present fire proof quarters, and at the geographical center of the city, they are also equally desirous that the thickly settled portion of our city shall have an opportunity to share in the benefits of the Library. The annexed statistics must be sufficient to convince our citizens of the wisdom of this movement. The reading matter has been selected so as to supply not only the wants of all nationalities, but of all trades and vocations. Any book may be procured as readily from the branch as from the Main Library by means of the daily messenger service. The new catalogue will greatly facilitate this work. The Trustees desire to publicly thank the Library Association for their activity in raising funds to assist the Library. The cost of the catalogue which was nearly one thousand dollars, and other extraordinary expenses the past year will leave but a small amount for the purchase of new books. Therefore every assistance which citizens can render the Library will be most welcome. It is hoped that our wealthy citizens will not forget the Library when drawing their wills, and will thus insure to posterity a continuance of this great factor in public education. In the early part of the year the Library lost, through ill health, the valuable services of Miss Hartt, who had been Librarian from its start.

Annexed hereto is a tabulated statement of the circulation and patrons of the Reading Room both for the Main Library and the branch.

A. SWAN BROWN,

President.

TREASURER'S REPORT, PASSAIC FREE PUBLIC LIBRARY.

Dec. 1	To Bal. on Hand	-	-	-	1,314.97
1894	To Cash from City	-	-	-	2,000.00
	To Cash Dundee Subscriptions	-			194.45
	To Cash Library Account	-	-		75.00
	To Cash for Fines	-	-	-	34.85
	To Cash Chest of Drawers	-	-		5.00
					<u>\$3,624.27</u>
	Cr.				
	By Pd. for Salaries	-	-	-	1,209.72
	By Pd. for Books	-	-	-	640.23
	By Pd. for Papers	-	-	-	187.25
	By Pd. for Printing	-	-	-	52.85
	By Pd. for Furniture	-	-		69.83
	By Pd. for Incidentals	-	-	-	11.55
	By Pd. for Dundee Branch	-	-		756.16
	By Bal. to new account	-	-		696.69
					<u>\$3,624.27</u>
1895					
Dec. 1	To Bal. new account				696.69

JOHN A. WILLETT,

Treas.

PASSAIC FREE PUBLIC LIBRARY.

REPORT OF CIRCULATION AND READING ROOM OF THE MAIN LIBRARY AND OF THE DUNDEE BRANCH FOR THE YEAR OF

1895.

1895.	CIRCULATION.							READING ROOM.					DUNDEE READING ROOM.				
	Total.	Juv.	Fict.	Hist.	Trav.	Biog.	Sci. etc.	Total.	Male.	Fe- male.	Adults.	Minors	Total.	Male.	Fe- male.	Adults.	Minors
January.....	2,683	912	1,232	61	65	42	371	2,457	1,613	844	1,193	1,264	.....	.....	.....	.....	.....
February.....	3,054	1,090	1,229	100	113	66	456	2,485	1,593	892	1,073	1,412	975	818	157	152	823
March.....	3,371	1,229	1,385	109	118	64	466	2,326	1,477	849	994	1,332	1,329	1,062	267	425	904
April.....	3,062	1,189	1,148	98	87	66	474	1,860	1,203	657	824	1,036	1,152	908	244	549	603
May.....	2,618	955	1,159	69	41	39	355	1,513	979	534	679	834	997	838	159	531	466
June.....	2,292	775	1,139	50	34	28	266	1,460	929	531	695	765	906	707	199	436	470
July.....	2,496	825	1,214	47	63	55	292	1,508	891	617	661	847	1,059	847	212	512	547
August.....	2,507	780	1,284	37	59	32	315	1,933	1,092	841	872	1,061	932	844	88	444	488
September.....	2,160	569	1,087	47	43	47	367	1,757	1,115	642	780	977	1,161	982	179	522	639
October.....	2,522	627	1,150	80	69	66	530	1,951	1,139	812	880	1,071	1,096	1,006	90	584	512
November.....	2,844	927	1,196	83	62	44	532	1,925	1,214	781	794	1,201	1,430	1,191	239	664	766
December.....	2,747	920	1,064	104	67	55	537	2,150	1,334	816	826	1,324	1,405	1,234	171	576	829
Totals.....	32,356	10,798	14,287	885	821	604	4,971	23,395	14,579	8,816	10,271	13,124	12,442	10,437	2,005	5,395	7,047

LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



RUTHERFORD
MAP
OF THE CITY OF
PASSAIC, N. J.
WISE & WATSON, ENGRS.
SCALE OF FEET.



3 0112 105546169

OF THE
UNIVERSITY OF ILLINOIS